



# Whistler Design Preview

## April 20 & 21



# **Common Desktop Management Scenarios for Whistler**

**BJ Whalen, *bjwhalen@microsoft.com***  
**IntelliMirror Group**  
**Microsoft Corporation**

# Agenda

- **New Features and improvements**
- **Identify common scenarios**
  - **Client configs**
  - **Infrastructure**

# Technologies Covered

- **Group Policy**
- **Roaming User Profiles**
- **Software Installation**
- **Folder Redirection**
- **Offline Files**

## **Goal:**

- **Seeking your input to prioritize integration planning**

# **Group Policy**

## **New Features**

- **RSoP**
- **Forest GPOs**
- **WMI Filtering**
  - **Filtering of GPOs based on WMI attributes**
  - **Analogous to security group filtering**
- **Inclusion of explain text in help**
- **Command-line refresh of policy – secedit replacement**

# State Management Improvements

- **Roaming Profiles**
  - Better roaming when logged onto multiple machines
- **Folder Redirection**
  - CSC compatibility with EFS & DFS
  - Redirect My Docs to Home share

# **Software Installation**

## **64-bit support**

- **Seamless ability to manage existing 32-bit deployments**
- **32-bit apps deployable to both 32-bit and 64-bit clients**
- **Admin can choose whether 32-bit client is deployed to 64 bit clients**
- **32-bit clients unaware of 64-bit deployments**



# What's not in Whistler

- **Scriptibility of GPOs**
  - **Ability to script creation, editing, linking of GPOs**
  - **Import, export, copy**
  - **Backup and restore of GPOs**
  - **Read-only access to GPOs**
- **Auditing of GPOs**



# Client Configurations

- **Based on GP Scenarios doc**
  - <http://www.microsoft.com/windows2000/library/howitworks/management/grouppolicy.asp>
  - **Low TCO Desktop**
  - **Public Computing Environment (PCE)**
  - **Laptop**
  - **AppStation**
  - **Task Station**
  - **Kiosk**
- **Are these the right scenarios?**

# Low TCO Features

- **Core + optional Applications**
- **Fully free-seating**
  - some cached state maintained on computer
- **Dual security level - User & Power User**
- **High customizability**
  - But not hardware, services, mmc
- **Is this one of your top 6 scenarios?**

# Public Computing Features

- Core + optional applications
- Simple Desktop and Start Menu
- Fully free-seating -
  - RUP w/ redirected MyDocs and AppData
  - No cached state maintained on computer
- Very high security
- Basic customizability
- Is this one of your top 6 scenarios?

# Laptop Features

- **Core + optional applications**
- **Not fully free-seating**
  - **Roaming, but some data stored locally**
- **Dual security level - User & Power User**
- **Some customizability**
  - **But not hardware, services, mmc**
- **Is this one of your top 6 scenarios?**

# **Application Station Features**

- **Multiple applications, none optional**
- **Simple Desktop and Start Menu**
- **Fully free-seating –**
  - **RUP w/ redirected MyDocs and AppData**
  - **Some cached state maintained on computer**
- **Minimal ability to change settings**
- **Very high security**
- **Is this one of your top 6 scenarios?**
- **Did we define it correctly?**

# Task Station Features

- **Single Application**
- **No desktop or Start Menu**
- **Fully free-seating -**
  - **RUP w/ redirected MyDocs and AppData**
  - **No state maintained on computer**
- **Minimal ability to change settings**
- **Very high security**
- **Is this one of your top 6 scenarios?**

# Kiosk Features

- **Single account**
- **Does not save data to disk**
  - **No user state**
  - **No customizations**
- **No Desktop icons or Start Menu**
- **Application (e.g. IE) is started automatically - cannot be quit**
- **No logoff or shutdown**
- **Very high security settings**
- **Is this one of your top 6 scenarios?**
- **Did we define it correctly?**



# Client Configurations

- Low TCO Desktop
  - Public Computing Environment (PCE)
  - Laptop
  - AppStation
  - Task Station
  - Kiosk
- 
- Are these the right scenarios?

# Infrastructure Issues

# **Software Installation**

## **Scenarios**

- **Distribution points**
  - **Use of DFS or Domain DFS?**
  - **External domains?**
  - **Downlevel servers?**
  - **Non Windows servers?**
  - **Mapped drives or UNC paths?**
  - **Use of environment variables in paths**
  - **DP in every site?**
- **Other scenarios?**

# Folder Redirection/RUP

## Scenarios

- **Folder Redirection with...**
  - CSC
  - DFS?
  - Clustering?
- **RUP with...**
  - DFS
  - Non-Windows servers
- **Combinations**
  - MyDocs+AppData+RUP
  - MyDocs
  - MyDocs + Desktop
  - RUP only

# Active Directory Design

## Domain Design

- Single Domain?
- Geographic partitioning?
- Organizational partitioning?

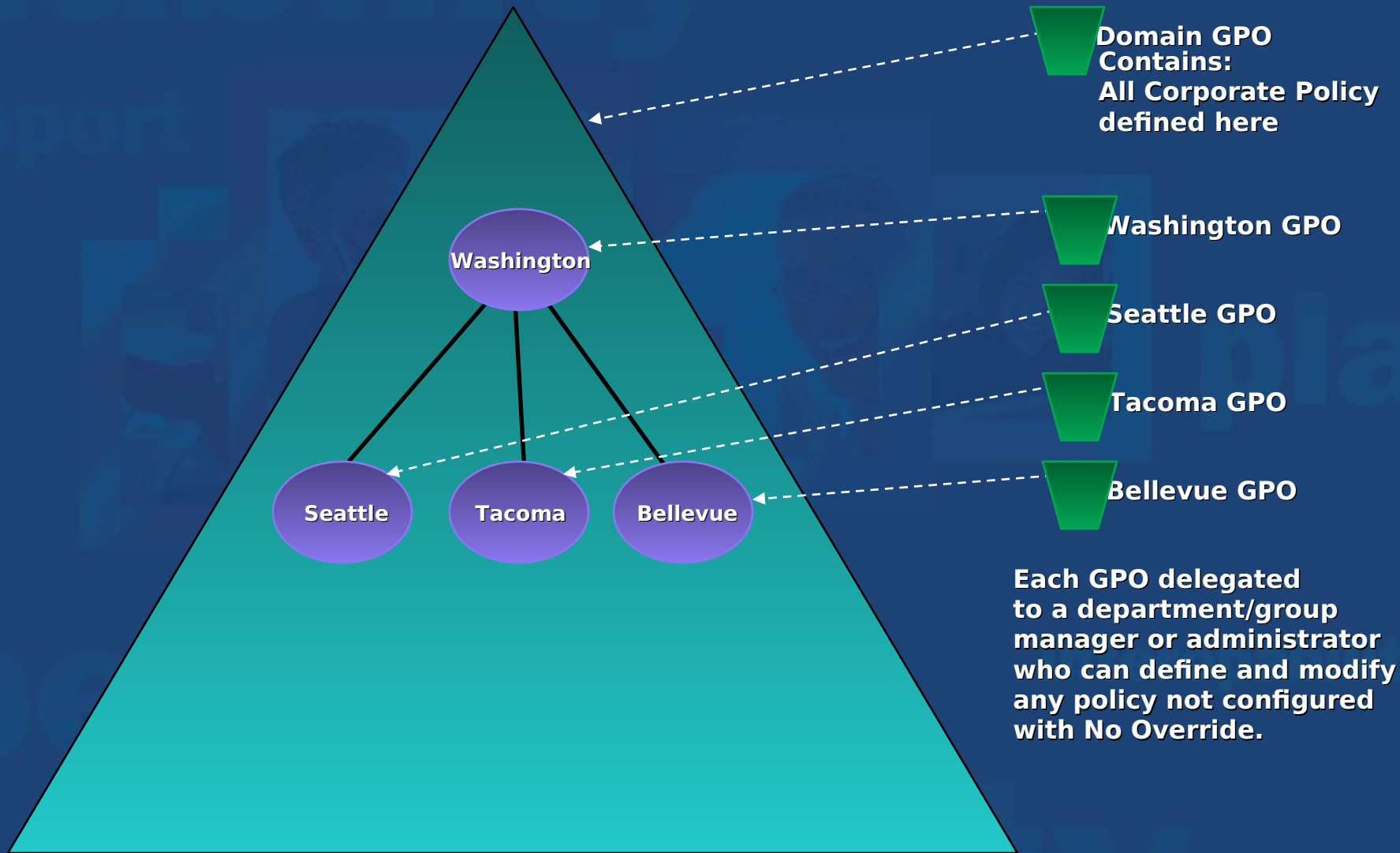
## OU Structure

- Flat vs deep
- Administrative Model, Geographic

# Policy Design

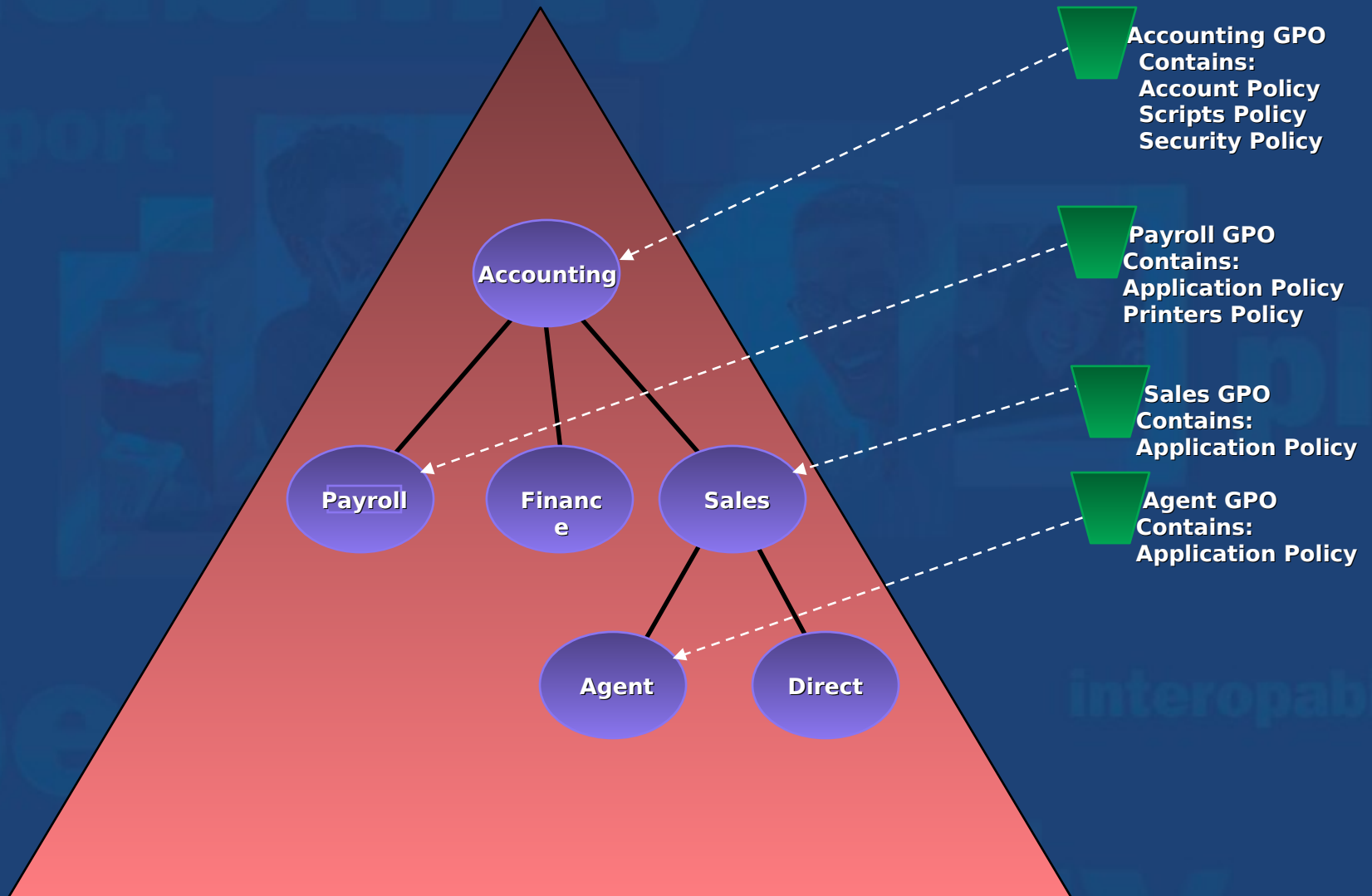
- **GPO design**
  - Monolithic
  - Layered
  - Single Policy
  - Multiple Policy
  - Functional Roles
- **Delegation**
  - Centralized
  - Decentralized?
    - Delegate and Trust
    - Delegate but not trust (auditing)

# Monolithic GPO Design

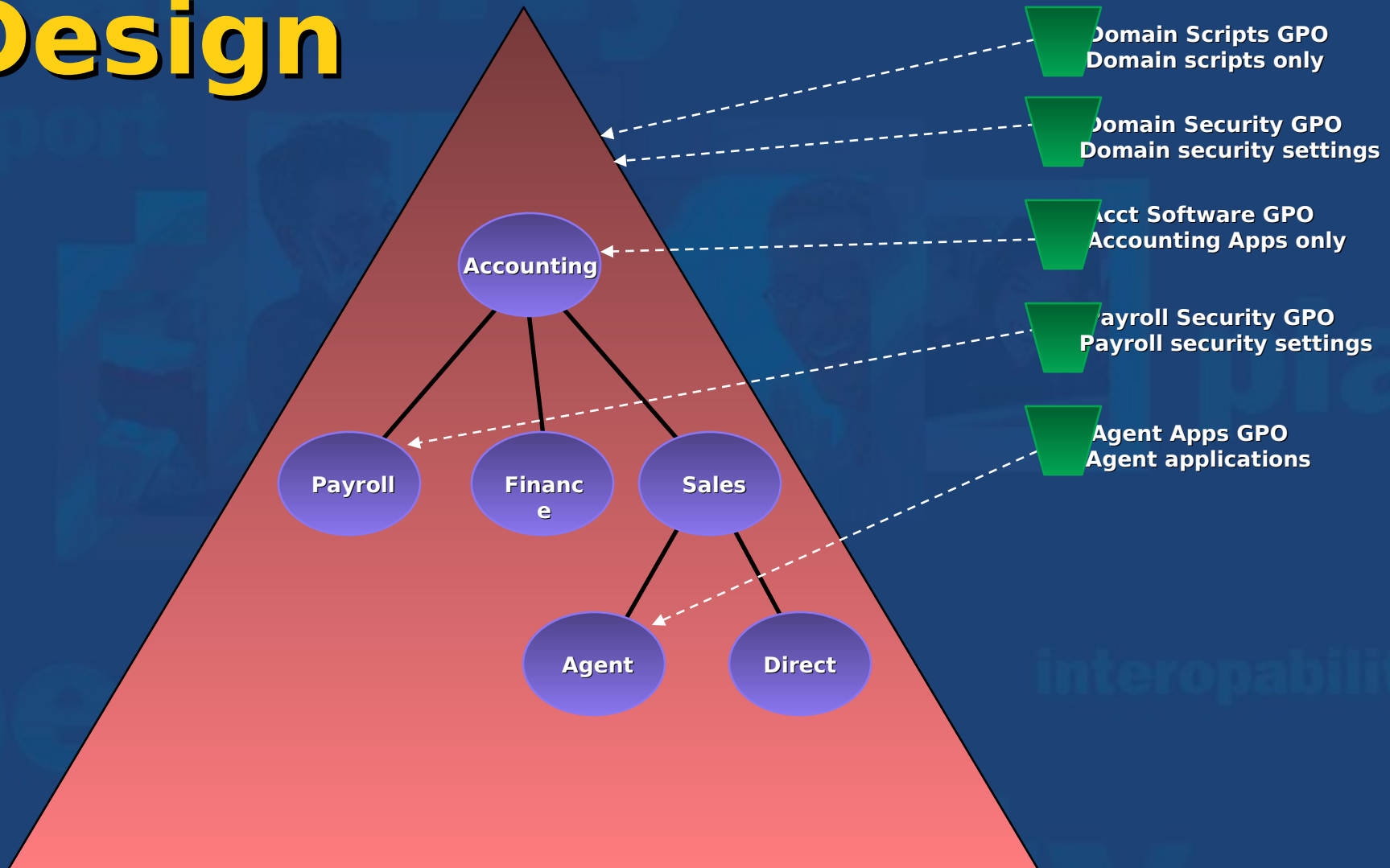




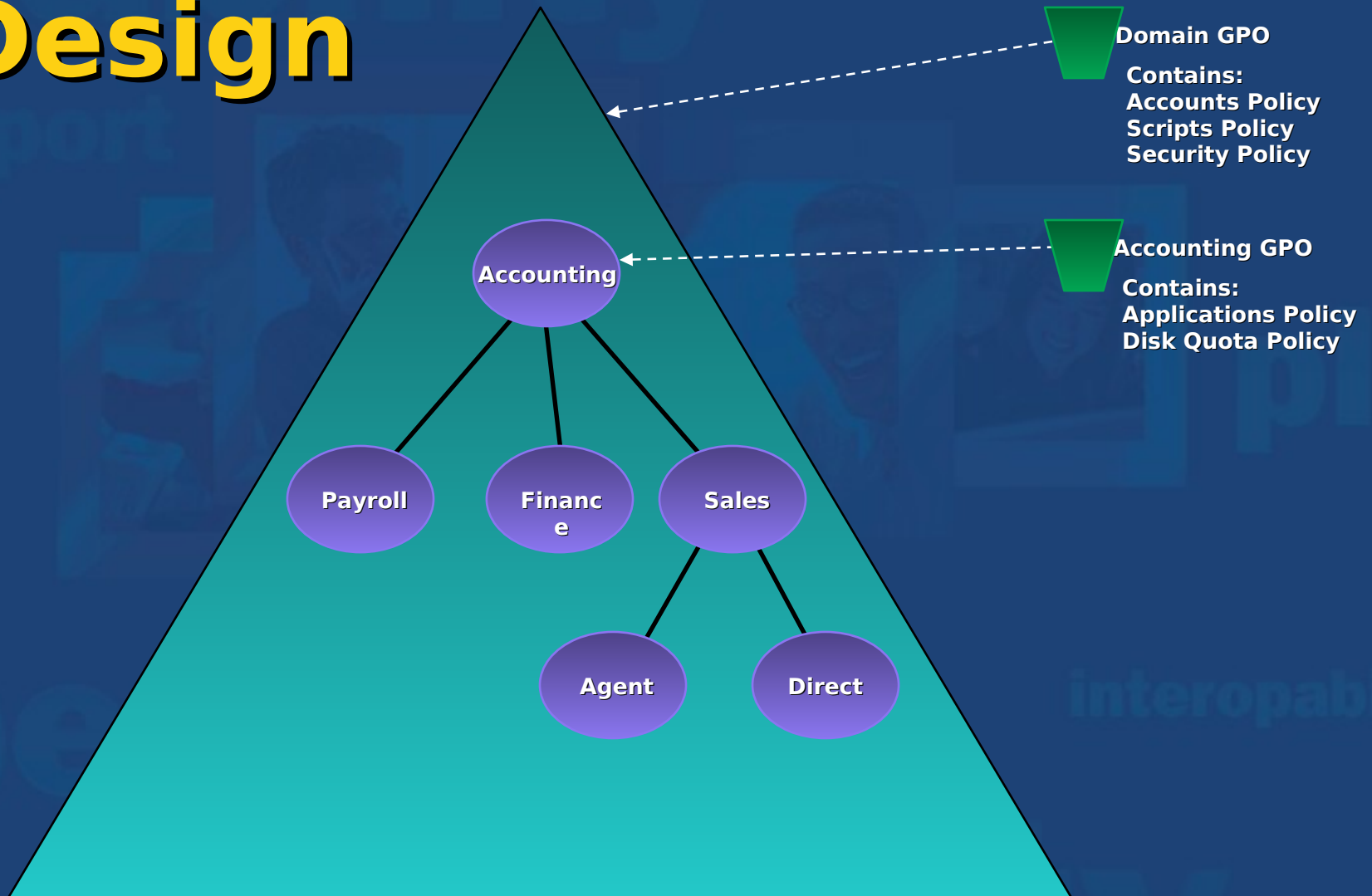
# Layered GPO Design



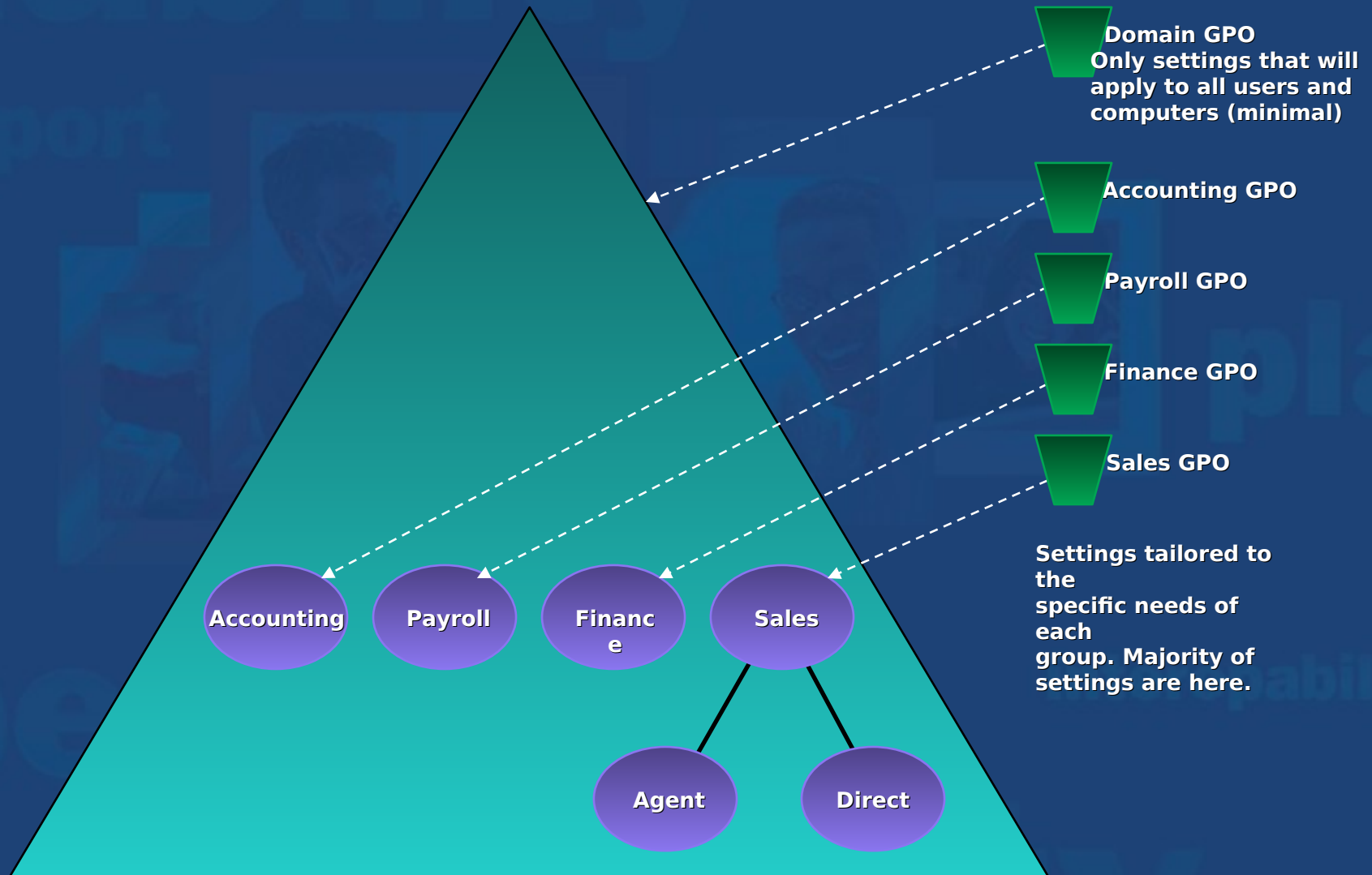
# Single Policy Type Design



# Multiple Policy Type Design



# Functional Roles Design



# Policy Design

- **GPO design**
  - Monolithic
  - Layered
  - Single Policy
  - Multiple Policy
  - Functional Roles
- **Delegation**
  - Centralized
  - Decentralized?
    - Delegate and Trust
    - Delegate but not trust (auditing)

**Where do you want to go today?®**

**Microsoft®**